

Datasheet for ABIN668961

anti-NF-kB p65 antibody (AA 51-100)

7 Images

30 Publications



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	NF-kB p65 (NFkBp65)
Binding Specificity:	AA 51-100
Reactivity:	Human, Mouse, Rat, Cow, Zebrafish (Danio rerio), Rabbit, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NF-kB p65 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NFkBp65
Isotype:	IgG
Cross-Reactivity:	Chicken, Cow, Human, Mouse, Rabbit, Rat, Zebrafish (Danio rerio)
Predicted Reactivity:	Dog,Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	NF-kB p65 (NFkBp65)
---------	---------------------

Target Details

Alternative Name:	NFKB p65 (NFkBp65 Products)
Background:	<p>Synonyms: p65, NFKB3, Transcription factor p65, Nuclear factor NF-kappa-B p65 subunit, Nuclear factor of kappa light polypeptide gene enhancer in B-cells 3, RELA</p> <p>Background: NF-kappa-B is a pleiotropic transcription factor present in almost all cell types and is the endpoint of a series of signal transduction events that are initiated by a vast array of stimuli related to many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NF-kappa-B is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFKB1/p15, NFKB1/p5, REL and NFKB2/p52 and the heterodimeric p65-p5 complex appears to be most abundant one. The dimers bind at kappa-B sites in the DNA of their target genes and the individual dimers have distinct preferences for different kappa-B sites that they can bind with distinguishable affinity and specificity. Different dimer combinations act as transcriptional activators or repressors, respectively. NF-kappa-B is controlled by various mechanisms of post-translational modification and subcellular compartmentalization as well as by interactions with other cofactors or corepressors. NF-kappa-B complexes are held in the cytoplasm in an inactive state complexed with members of the NF-kappa-B inhibitor (I-kappa-B) family. In a conventional activation pathway, I-kappa-B is phosphorylated by I-kappa-B kinases (IKKs) in response to different activators, subsequently degraded thus liberating the active NF-kappa-B complex which translocates to the nucleus. NF-kappa-B heterodimeric p65-p5 and p65-c-Rel complexes are transcriptional activators. The NF-kappa-B p65-p65 complex appears to be involved in invasin-mediated activation of IL-8 expression. The inhibitory effect of I-kappa-B upon NF-kappa-B the cytoplasm is exerted primarily through the interaction with p65. p65 shows a weak DNA-binding site which could contribute directly to DNA binding in the NF-kappa-B complex. Associates with chromatin at the NF-kappa-B promoter region via association with DDX1.</p>
Gene ID:	5970
UniProt:	Q04206
Pathways:	NF-kappaB Signaling , RTK Signaling , TCR Signaling , TLR Signaling , Fc-epsilon Receptor Signaling Pathway , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Hepatitis C , Toll-Like Receptors Cascades , S100 Proteins

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000

Application Details

FCM 1:20-100
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in: Fontana, Plaza-Díaz, Robles-Bolívar, Valente-Godínez, Sáez-Lara, Abadía-Molina, Gómez-Llorented, Gil, Álvarez-Mercado et al.: "Bifidobacterium breve CNCM I-4035, Lactobacillus paracasei CNCM I-4034 and Lactobacillus rhamnosus CNCM I-4036 Modulate Macrophage Gene Expression and Ameliorate Damage Markers in the Liver of ..." in: **Nutrients**, Vol. 13, Issue 1, (2021) ([PubMed](#)).

Oyagbemi, Omobowale, Ola-Davies, Asenuga, Ajibade, Adejumobi, Afolabi, Ogunpolu, Falayi, Ayodeji, Hassan, Saba, Adedapo, Yakubu: "Ameliorative effect of Rutin on sodium fluoride-induced hypertension through modulation of Kim-1/NF-κB/Nrf2 signaling pathway in rats." in: **Environmental toxicology**, Vol. 33, Issue 12, pp. 1284-1297, (2019) ([PubMed](#)).

Xu, Liu, Yu, Wu, Lu: "Effect of recombinant Trichinella spiralis cysteine proteinase inhibitor on

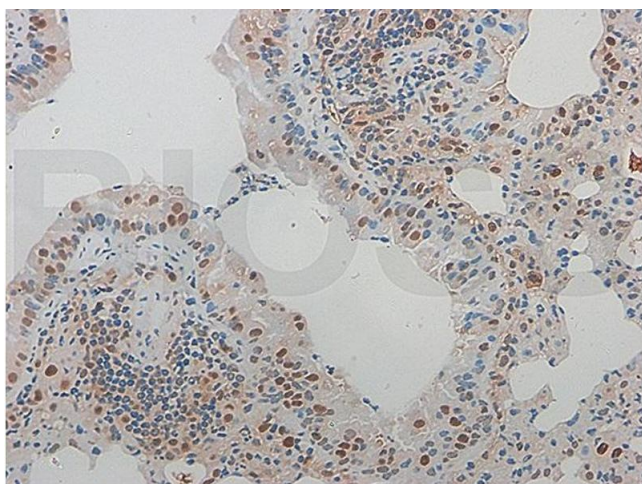
TNBS-induced experimental inflammatory bowel disease in mice." in: **International immunopharmacology**, Vol. 66, pp. 28-40, (2019) ([PubMed](#)).

Fattori, Borghi, Guazelli, Girollo, Crespigio, Bussmann, Coelho-Silva, Ludwig, Mazzuco, Casagrande, Verri: "Vinpocetine reduces diclofenac-induced acute kidney injury through inhibition of oxidative stress, apoptosis, cytokine production, and NF- κ B activation in mice." in: **Pharmacological research**, Vol. 120, pp. 10-22, (2018) ([PubMed](#)).

Sun, Nemoto, Hong, Sasaki: "Modulation of stromal cell-derived factor 1 alpha (SDF-1 α) and its receptor CXCR4 in Porphyromonas gingivalis-induced periodontal inflammation." in: **BMC oral health**, Vol. 17, Issue 1, pp. 26, (2018) ([PubMed](#)).

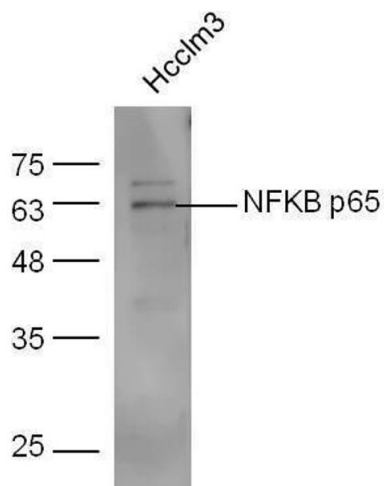
There are more publications referencing this product on: [Product page](#)

Images



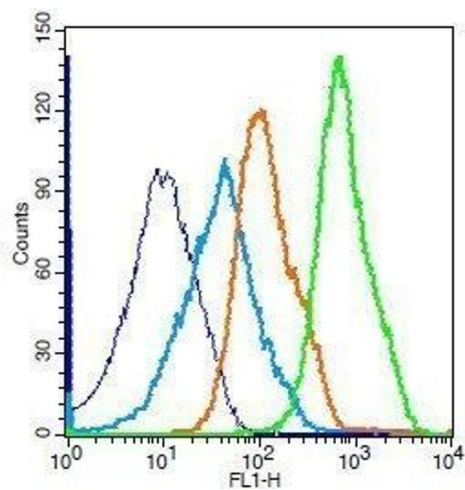
Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded rat aortic tissue labeled with Rabbit Anti-NF κ B p65 Polyclonal Antibody (ABIN668961), Unconjugated at 1:600 followed by conjugation to the secondary antibody and DAB staining



Western Blotting

Image 2. HCCLM3 lysates probed with Anti-NF κ B p65 Polyclonal Antibody, Unconjugated at 1:5000 for 90 min at 37°C.



Flow Cytometry

Image 3. Mouse splenocytes probed with Rabbit Anti-NFkB p65 Polyclonal Antibody, Unconjugated .

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN668961.